



## WAMPANOAG ENVIRONMENTAL LABORATORY CYANOBACTERIA MONITORING

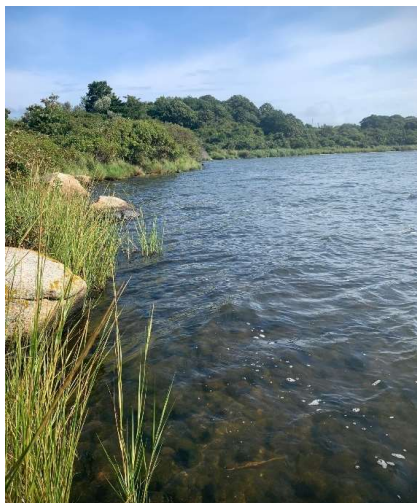
Sample Date: *August 30, 2021*  
Water Body: *Squibnocket Pond*  
Sampling Location: *Aquinnah Public Access: Howland Path*  
Town: *Aquinnah*

Warning Tier: **LOW**

### Sample Review:

The lab's field team sampled the Aquinnah public access point for Squibnocket Pond yesterday, Monday, August 30<sup>th</sup>, to collect a water sample for cyanobacteria analysis.

The sample was analyzed via fluorometry and microscopy for phycocyanin and cyanobacteria speciation. The sample and environment indicate that a health advisory is not required at this time for this location. No algal mats were noted at the site (See attached image). No cyanobacteria cells were identified under the microscope. The phycocyanin level was at 20.24 ppb. Using the APCC's (Association to Preserve Cape Cod) monitoring program guidelines, our results would warrant a warning tier of "Low" due to the phycocyanin levels being below the threshold of <160 µg/L and no detectable cyanobacteria species present



*Image of the Aquinnah Public access point at the end of the Howland Path, 8/30/2021*

*Andrew Jacobs*

Andrew Jacobs  
Laboratory Manager/Environmental Technician  
Wampanoag Environmental Laboratory  
Wampanoag Tribe of Gay Head (Aquinnah)